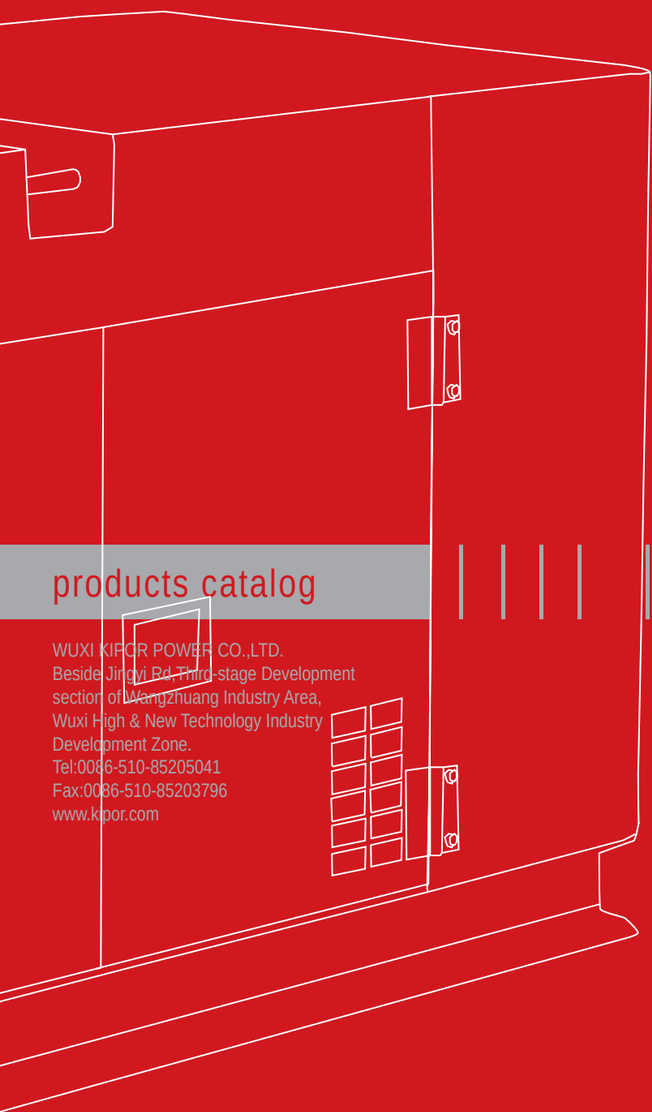

SUPER/ULTRA-SILENT GENERATOR SERIES

KIPOR®

products catalog

WUXI KIPOR POWER CO.,LTD.
Beside Jincyi Rd Third-stage Development
section of Maangzhuang Industry Area,
Wuxi High & New Technology Industry
Development Zone.
Tel:0086-510-85205041
Fax:0086-510-85203796
www.kipor.com

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"Life goes on even when the power goes out..."
Extreme weather, construction, and many other unforeseen complications can interrupt the electrical service, which you and your family depend on to continue your daily activities. But with a KIPOR Home standby power system, life goes on even when the power goes out. When electricity is lost--day or night--you can be assured that your home will have all the comfort and convenience you depend on.
KIPOR
//:KIPOR Super/Ultra-Silent
generator series...

Special feature

//:Unique & Compact Structure

The generator set has a compact and unique design. The exhaust is ducted out from the top cover facilitating installation. The layout of the oil and coolant inlet has been redesigned to permit easier access for service.

//:Low noise running

The Kipor super silent generator series offer unparalleled low noise levels. Kipor applies a unique double air inlet and outlet design. The generator is equipped with a built–in large sound attenuating muffler and additional sound insulation liners to limit noise.

//:Digital control panel

The digital control panel makes operating and maintaining the set easier and safer. Real–time data such as amperage, voltage, and frequency levels give immediate information to the operator. Additionally, warning lamps immediately alert the operator of any extraordinary running condition.

//:High quality power output

The improved AVR (Automatic Voltage Regulator) limits voltage fluctuation to a very low level and ensures smooth and steady output. Additionally, the AVR features built–in overload protection and will automatically shut off the output at 110% of rated load.

//:Competitive economic advantage

The large capacity fuel tank provides extended running time. The high efficiency combustion system is designed to reduce fuel consumption and operation costs.

//:ATS (Automatic Transfer Switch)

ATS continually monitors utility power and voltage/frequency fall below acceptable levels. It commands the genera–tor to start automatically and connect generator power to the intended load. Once proper utility power is restored, the ATS stops the generator and reconnects utility power. The ATS has been designed to be installed either inside or outside the generator set.

Special feature

KIPOR SUPER SILENT SERIES

KDE12STA

50Hz: Rated output8.5kVA
60Hz: Rated output9.5kVA

Powered by legendary KM2V80 V–twin, water–cooled diesel engine

Low noise running, only 72dB(A)/7m

Two side maintenance lids are easy for checking the inner parts

KIPOR

//:KIPOR Super-Silent generator series...

Super–silent generator

Single–phase

KIPOR

Model		KDE12STA	
Rated frequency	Hz	50	60
Rated output	kVA	8.5	9
Max. output	kVA	9.5	10
Rated voltage	V	115/230	120/240
Rated current	A	73.8/36.9	75/37.5
Rated rotation speed	rpm	3000	3600
Phase No.		Single-phase	
Power factor		1.0	
Insulation grade		F	
Pole number		2	
Excitation mode		Brushless self-excitation (AVR)	
Panel type		Digital Panel	
Output Voltage	V	115/230	120/240
Output Receptacle		Two single phase receptacles	
Output Connection pole		With	
Output DC12V output		Without	
Overall dimension: L×W×H	mm	1350×790×840	
		1200×650×760(Without wheels & handle)	
Dry weight	kg	310	
Working assorting weight	kg	345	
Noise level(7m)	dB(A)	72	
Structure type		Super silent	
Engine model		KM2V80	
Engine type		Two-cylinder, V-twin, four-stroke, swirl type	
Cylinder No.-bore×stroke	mm	2-80×79	
Displacement	ml	794	
Rated power	kW	12.5/3000	14.5/3600
Compression ratio		23:1	
Rated rotation speed	r/min	3000	3600
Combustion system		-	
Cooling system		Water cooled	
Lubrication system		Pressure splashed	
Starting system		Electric starter	
Fuel type		0#(summer)-10#(winter)-20#(chillness)diesel	
Lube oil brand		CD grade or SAE10W-30, 15W-40	
Capacity of cooling water	L	2.9	
Lube capacity	L	2.27	
Starting motor capacity	V-kW	12V 1.4kW	
Charging generator capacity	V-A	12V 20A	
Battery capacity	V-Ah	12V 36Ah	
Fuel consumption	g/kW·h	⩽340	
Fuel tank capacity	L	25	
Continuous running time	hr	7	

KIPOR

Model		KDE19STA	
Rated frequency	Hz	50	60
Rated output	kVA	14.4	17
Max. output	kVA	16.7	18.7
Rated voltage	V	115/230	120/240
Rated current	A	125/62.6	142/70.8
Rated rotation speed	rpm	3000	3600
Phase No.		Single-phase	
Power factor		0.9(lag)	
Insulation grade		F	
Pole number		2	
Excitation mode		Self-excitation (AVR)	
Panel type		Digital Panel	
Output Voltage	V	115/230	120/240
Output Receptacle		Two single phase receptacles	
Output Connection pole		With	
Output DC12V output		Without	
Overall dimension: L×W×H	mm	1540×845×925	
		1390×700×810(Without wheels & handle)	
Dry weight	kg	442	
Working assorting weight	kg	492	
Noise level(7m)	dB(A)	72	
Structure type		Super Silent	
Engine model		KM376AG	
Engine type		Three-cylinder, in-lined, four-stroke, swirl type	
Cylinder No.-bore×stroke	mm	3-76×77	
Displacement	ml	1048	
Rated power	kW	15.3/3000	17.5/3600
Compression ratio		21.5:1	
Rated rotation speed	r/min	3000	3600
Combustion system		-	
Cooling system		Water cooled	
Lubrication system		Pressure splashed	
Starting system		Electric starter	
Fuel type		0#(summer)-10#(winter)-20#(chillness)diesel	
Lube oil brand		CD grade or SAE10W-30, 15W-40	
Capacity of cooling water	L	7	
Lube capacity	L	4.8	
Starting motor capacity	V-kW	12V 1.4kW	
Charging generator capacity	V-A	14V 25A	
Battery capacity	V-Ah	12V 65Ah	
Fuel consumption	g/kW·h	⩽320	
Fuel tank capacity	L	38	
Continuous running time	hr	6	

Super–silent generator

Three–phase

KIPOR

Model		KDE12STA3	
Rated frequency	Hz	50	60
Rated output	kVA	9.5	10.5
Max. output	kVA	10.5	11.5
Rated voltage	V	230/400	240/416
Rated current	A	13.7	14.6
Rated rotation speed	rpm	3000	3600
Phase No.		Three phase "Y" type connection	
Power factor		0.8(lag)	
Insulation grade		F	
Pole number		2	
Excitation mode		Brushless self-excitation (AVR)	
Panel type		Digital Panel	
Output Voltage	V	230/400	240/416
Output Receptacle		Two single phase receptacles	
Output Connection pole		With	
Output DC12V output		Without	
Overall dimension: L×W×H	mm	1350×790×840 1200×650×760(Without wheels & handle)	
Dry weight	kg	310	
Working assorting weight	kg	345	
Noise level(7m)	dB(A)	72	
Structure type		Super silent	
Engine model		KM2V80	
Engine type		Two-cylinder, V-twin, four-stroke, swirl type	
Cylinder No.-bore×stroke	mm	2-80×79	
Displacement	ml	794	
Rated power	kW	12.5/3000	14.5/3600
Compression ratio		23:1	
Rated rotation speed	r/min	3000	3600
Combustion system		-	
Cooling system		Water cooled	
Lubrication system		Pressure splashed	
Starting system		Electric starter	
Fuel type		0#(summer)-10#(winter)-20#(chillness)diesel	
Lube oil brand		CD grade or SAE10W-30, 15W-40	
Capacity of cooling water	L	2.9	
Lube capacity	L	2.27	
Starting motor capacity	V-kW	12V 1.4kW	
Charging generator capacity	V-A	12V 20A	
Battery capacity	V-Ah	12V 36Ah	
Fuel consumption	g/kW·h	⩽340	
Fuel tank capacity	L	25	
Continuous running time	hr	7.5	

KIPOR

Model		KDE19STA3		KDE40ST3
Rated frequency	Hz	50	60	50
Rated output	kVA	16.25	19	38
Max. output	kVA	18.75	21	40
Rated voltage	V	230/400	240/416	230/400
Rated current	A	23.5	26.4	54.8
Rated rotation speed	rpm	3000	3600	3000
Phase No.		Three phase "Y" type connection		Three phase "Y" type connection
Power factor		0.8 (lag)		0.8(lag)
Insulation grade		F		H
Pole number		2		2
Excitation mode		Brushless self-excitation (AVR)		Brushless self-excitation (AVR)
Panel type		Digital Panel		Digital Panel
Output Voltage	V	230/400	240/416	230/400
Output Receptacle		Two single phase receptacles		Two single phase receptacles
Output Connection pole		With		With
Output DC12V output		Without		Without
Overall dimension: L×W×H	mm	1540×845×925 1390×700×810(Without wheels & handle)		1900×950×1200
Dry weight	kg	442		960
Working assorting weight	kg	492		1060
Noise level(7m)	dB(A)	72		70
Structure type		Super silent		Super silent
Engine model		KM376AG		KM493G
Engine type		Three-cylinder, in-lined, four-stroke, swirl type		Four-cylinder, four-stroke,in-lined, direct-injection
Cylinder No.-bore×stroke	mm	3-76×77		4-93×102
Displacement	ml	1048		2771
Rated power	kW	15.3/3000	17.5/3600	40/3000
Compression ratio		21.5:1		18.2:1
Rated rotation speed	r/min	3000	3600	3000
Combustion system		-		-
Cooling system		Water cooled		Water cooled
Lubrication system		Pressure splashed		Pressure splashed
Starting system		Electric starter		Electric starter
Fuel type		0#(summer)-10#(winter)-20#(chillness)diesel		
Lube oil brand		CD grade or SAE10W-30, 15W-40		CD grade or SAE10W-30, 15W-40
Capacity of cooling water	L	7		10
Lube capacity	L	4.8		8.5
Starting motor capacity	V-kW	12V 1.4kW		12V 2.8kW
Charging generator capacity	V-A	14V 25A		12V 50A
Battery capacity	V-Ah	12V 65Ah		12V 80Ah
Fuel consumption	g/kW·h	⩽320		⩽300
Fuel tank capacity	L	38		95
Continuous running time	hr	7		8

Ultra Silent Generator set series

"Whenever...wherever...with KIPOR..."

Kipor launched a totally new series of gen–sets named ULTRA SILENT GEN–SET on the base of super silent gen–sets, which is either so applicable for the construction working site, or for the emergency usage on some business occasions. The ultra silent generator sets not only maintained the excellent benefits of the super silent ones, but also greatly reduced the running noise. The running noise of KIPOR Ultra Silent generator sets is only 53dB(A)/7m. This great improvement due to the unique measures taken by Kipor as below: Kipor applied the electronic cooling fan instead of the water–tank fan, thus the cooling performance is greatly improved. Meanwhile, the noise is also greatly reduced. The reasonable and unique air system is so helpful for reducing the engine noise. A double–deck muffler and high quality acoustic absorbing materials result in the utmost of silencing.

KIPOR ULTRA-SILENT

KDE11SSP

Features and benefits:

Weather protective enclosures for exceptional protection from the elments, which can reach IP34.

Multi-levels of sound attenuated enclosures that offer the same degree of weather protection while significantly reducing sound emissions, only 53dB(A)/7m.

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//:KIPOR Ultra-Silent

generator series...

Ultra–silent generator

Single–phase

KIPOR

Model		KDE11SS/KDE11SSP	
Rated frequency	Hz	50	60
Rated output	kVA	8.5	10.5
Max. output	kVA	9.5	11.5
Rated voltage	V	115/230	120/240
Rated current	A	74/37	87.6/43.8
Rated rotation speed	rpm	1500	1800
Phase No.		Single-phase	
Power factor		1.0	
Insulation grade		H	
Pole number		4	
Excitation mode		Brushless self-excitation (AVR)	
Panel type		Digital Panel	
Output – Voltage	V	115/230	120/240
Output – Receptacle		Two single phase receptacles	
Output – Connection pole		With	
Output – DC12V output		Without	
Overall dimension: L×W×H	mm	1570×780×1050	
Dry weight	kg	675	
Working assorting weight	kg	750	
Noise level(7m)	dB(A)	50Hz: 51	60Hz: 53
Structure type		Ultra silent	
Engine model		KD388	
Engine type		Three-cylinder,in-lined four-stroke,direct injection	
Cylinder No.-bore×stroke	mm	3-88×90	
Displacement	ml	1642	
Rated power	kW	12.3/1500	14.8/1800
Compression ratio		18.2:1	
Rated rotation speed	r/min	1500	1800
Combustion system		-	
Cooling system		Water cooled	
Lubrication system		Pressure splashed	
Starting system		Electric starter	
Fuel type		0#(summer)-10#(winter)-20#(chillness)diesel	
Lube oil brand		CD grade or SAE10W-30, 15W-40	
Capacity of cooling water	L	8.5	
Lube capacity	L	6.9	
Starting motor capacity	V-kW	12V 1.4kW	
Charging generator capacity	V-A	12V 15A	
Battery capacity	V-Ah	12V 65Ah	
Fuel consumption	g/kW·h	⩽340	
Fuel tank capacity	L	65	
Continuous running time	hr	16	

Ultra–silent generator

Single–phase

KIPOR

Model			KDE16SS/KDE16SSP		KDE25SS/KDE25SSP	
Rated frequency		Hz	50	60	50	60
Rated output		kVA	13	15.5	18.5	24
Max. output		kVA	14.5	17	20	26
Rated voltage		V	115/230	120/240	115/230	120/240
Rated current		A	113/56.5	129.2/64.6	160/80	200/100
Rated rotation speed		rpm	1500	1800	1500	1800
Phase No.			Single-phase		Single-phase	
Power factor			1.0		1.0	
Insulation grade			H		H	
Pole number			4		4	
Excitation mode			Brushless self-excitation (AVR)		Brushless self-excitation (AVR)	
Panel type			Digital Panel		Digital Panel	
Output	Voltage	V	115/230	120/240	115/230	120/240
	Receptacle		Two single phase receptacles		Two single phase receptacles	
	Connection pole		With		With	
	DC12V output		Without		Without	
Overall dimension: L×W×H		mm	1570×780×1050		1900×950×1200	
Dry weight		kg	720		960	
Working assorting weight		kg	790		1060	
Noise level(7m)		dB(A)	50Hz: 51 60Hz: 53		50Hz: 51 60Hz: 53	
Structure type			Ultra silent		Ultra silent	
Engine model			KD488		KM493G	
Engine type			Four-cylinder, in-lined, four-stroke, direct injection		Four-cylinder,in-lined, four-stroke,direct injection	
Cylinder No.-bore×stroke		mm	4-88×90		4-93×102	
Displacement		ml	2190		2771	
Rated power		kW	16.4/1500	19.7/1800	23.2/1500	30/1800
Compression ratio			18.2:1		18.2:1	
Rated rotation speed		r/min	1500	1800	1500	1800
Combustion system			-		-	
Cooling system			Water cooled		Water cooled	
Lubrication system			Pressure splashed		Pressure splashed	
Starting system			Electric starter		Electric starter	
Fuel type			0#(summer)-10#(winter)-20#(chillness)diesel			
Lube oil brand			CD grade or SAE10W-30, 15W-40		CD grade or SAE10W-30, 15W-40	
Capacity of cooling water		L	12		10	
Lube capacity		L	8.5		8.5	
Starting motor capacity		V-kW	12V 1.4kW		12V 2.8KW	
Charging generator capacity		V-A	12V 15A		12V 50A	
Battery capacity		V-Ah	12V 65Ah		12V 80Ah	
Fuel consumption		g/kW·h	⩽320		⩽320	
Fuel tank capacity		L	65		95	
Continuous running time		hr	11		11	

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Model			KDE30SS/KDE30SSP		KDE35SS/KDE35SSP	
Rated frequency		Hz	50	60	50	60
Rated output		kVA	23	28	30	35
Max. output		kVA	25	30	33	38
Rated voltage		V	115/230	120/240	115/230	120/240
Rated current		A	200/100	234/117	260/130	292/146
Rated rotation speed		rpm	1500	1800	1500	1800
Phase No.			Single-phase		Single-phase	
Power factor			1.0		1.0	
Insulation grade			H		H	
Pole number			4		4	
Excitation mode			Brushless self-excitation (AVR)		Brushless self-excitation (AVR)	
Panel type			Digital Panel		Digital Panel	
Output	Voltage	V	115/230	120/240	115/230	120/240
	Receptacle		Two single phase receptacles		Two single phase receptacles	
	Connection pole		With		With	
	DC12V output		Without		Without	
Overall dimension: L×W×H		mm	1900×950×1200		2250×950×1300	
Dry weight		kg	985		1220	
Working assorting weight		kg	1085		1340	
Noise level(7m)		dB(A)	50Hz: 51 60Hz: 53		50Hz: 51 60Hz: 53	
Structure type			Ultra silent		Ultra silent	
Engine model			KM493ZG		KD4105	
Engine type			Four-cylinder,in-lined, four-stroke,direct injection, turbocharged		Four-cylinder,in-lined, four-stroke,direct injection	
Cylinder No.-bore×stroke		mm	4-93×102		4-105×125	
Displacement		ml	2771		4330	
Rated power		kW	28.5/1500	36.9/1800	40.2/1500	47.6/1800
Compression ratio			18.2:1		17.5:1	
Rated rotation speed		r/min	1500	1800	1500	1800
Combustion system			-		-	
Cooling system			Water cooled		Water cooled	
Lubrication system			Pressure splashed		Pressure splashed	
Starting system			Electric starter		Electric starter	
Fuel type			0#(summer)-10#(winter)-20#(chillness)diesel			
Lube oil brand			CD grade or SAE10W-30, 15W-40		CD grade or SAE10W-30, 15W-40	
Capacity of cooling water		L	10		30	
Lube capacity		L	8.5		11	
Starting motor capacity		V-kW	12V 2.8KW		24V 3.7KW	
Charging generator capacity		V-A	12V 50A		28V 35A	
Battery capacity		V-Ah	12V 80Ah		24V 120Ah	
Fuel consumption		g/kW·h	⩽300		⩽300	
Fuel tank capacity		L	95		95	
Continuous running time		hr	10		8	

Ultra–silent generator

Three–phase

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Model			KDE13SS3/KDE13SSP3		KDE20SS3/KDE20SSP3	
Rated frequency		Hz	50	60	50	60
Rated output		kVA	10.6	13.1	17	20
Max. output		kVA	11.6	14.5	18.5	22
Rated voltage		V	230/400	240/416	230/400	240/416
Rated current		A	15.3	18.2	24.5	27.8
Rated rotation speed		rpm	1500	1800	1500	1800
Phase No.			Three phase "Y" type connection		Three phase "Y" type connection	
Power factor			0.8(lag)		0.8(lag)	
Insulation grade			H		H	
Pole number			4		4	
Excitation mode			Brushless self-excitation (AVR)			
Panel type			Digital Panel		Digital Panel	
Output	Voltage	V	230/400	240/416	230/400	240/416
	Receptacle		Two single phase receptacles		Two single phase receptacles	
	Connection pole		With		With	
	DC12V output		Without		Without	
Overall dimension: L×W×H		mm	1570×780×1050		SS3：1570×780×1050 SSP3: 1570×780×1220	
Dry weight		kg	675		SS3:720	SSP3: 790
Working assorting weight		kg	750		SS3:790	SSP3: 865
Noise level(7m)		dB(A)	50Hz: 51 60Hz: 53		50Hz: 51 60Hz: 53	
Structure type			Ultra silent		Ultra silent	
Engine model			KD388		KD488	
Engine type			Three-cylinder, in-lined, four-stroke, direct injection		Four-cylinder, in-lined, four-stroke, direct injection	
Cylinder No.-bore×stroke		mm	3-88×90		4-88×90	
Displacement		ml	12.3/1500	14.8/1800	16.4/1500	19.6/1800
Rated power		kW	1642		2190	
Compression ratio			1500	1800	1500	1800
Rated rotation speed		r/min	18.2:1		18.2:1	
Combustion system			-		-	
Cooling system			Water cooled		Water cooled	
Lubrication system			Pressure splashed		Pressure splashed	
Starting system			Electric starter		Electric starter	
Fuel type			0#(summer)-10#(winter)-20#(chillness)diesel			
Lube oil brand			CD grade or SAE10W-30, 15W-40			
Capacity of cooling water		L	8.5		12	
Lube capacity		L	6.9		8.5	
Starting motor capacity		V-kW	12V 1.4kW		12V 1.4kW	
Charging generator capacity		V-A	12V 15A		12V 15A	
Battery capacity		V-Ah	12V 65Ah		12V 65Ah	
Fuel consumption		g/kW·h	⩽340		⩽320	
Fuel tank capacity		L	65		SS3:65	SSP3:100
Continuous running time		hr	16		SS3:11	SSP3:100

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Model			KDE30SS3/KDE30SSP3		KDE35SS3/KDE35SSP3	
Rated frequency		Hz	50	60	50	60
Rated output		kVA	24	28	28	35
Max. output		kVA	26	30	31	38
Rated Voltage		V	230/400	240/416	230/400	240/416
Rated current		A	34.6	38.9	40.4	48.6
Rated rotation speed		rpm	1500	1800	1500	1800
Phase No.			Three phase "Y" type connection		Three phase "Y" type connection	
Power factor			0.8(lag)		0.8(lag)	
Insulation Grade			H		H	
Pole number			4		4	
Excitation mode			Brushless self-excitation(AVR)			
Panel Type			Digital Panel		Digital Panel	
Output	Voltagge	V	230/400	240/416	230/400	240/416
	Receptacle		Two single phase receptacles		Two single phase receptacles	
	Connection pole		With		With	
	DC12V output		Without		Without	
Overall dimension: L×W×H		mm	SS3:1900×950×1200 SSP3:1900×950×1360		1900×950×1200	
Dry weight		kg	SS3:960	SSP3: 1130	985	
Working assorting weight		kg	SS3:1060	SSP3: 1230	1085	
Noise level(7m)		dB(A)	50Hz: 51 60Hz: 53		50Hz: 51 60Hz: 53	
Structure type			Ultra silent		Ultra silent	
Engine Model			KM493G		KM493ZG	
Engine Type			Four-cylinder, in-lined, four-stroke, direct injection		Four-cylinder, in-lined, four-stroke, direct injection, turbocharged	
Cylinder No.-bore×stroke		mm	4-93×102		4-93×102	
Displacement		ml	2771		2771	
Rated power		kW	30/1800		28.5/1500	36.9/1800
Compression ratio			23.2/1500	18.2:1	18.2:1	
Rated rotation speed		r/min	1800		1500	1800
Combustion system			1500	-	-	
Cooling system			Water cooled		Water cooled	
Lubrication system			Pressure splashed		Pressure splashed	
Starting system			Electric starter		Electric starter	
Fuel type			0#(summer)-10#(winter)-20#(chillness)diesel			
Lube oil brand			CD grade or SAE10W-30, 15W-40			
Capacity of cooling water		L	10		10	
Lube capacity		L	8.5		8.5	
Starting motor capacity		V-kW	12V 2.8kW		12V 2.8kW	
Charging generator capacity		V-A	12V 50A		12V 50A	
Battery capacity		V-Ah	12V 80Ah		12V 80Ah	
Fuel consumption		g/kW·h	⩽320		⩽300	
Fuel tank capacity		L	SS3:95	SSP3:100	95	
Continuous running time		hr	SS3:11	SSP3:100	10	

Ultra–silent generator

Three–phase

KIPOR

Model		KDE45SS3/KDE45SSP3		KDE60SS3/KDE60SSP3	
Rated frequency	Hz	50	60	50	60
Rated output	kVA	37	45	50	60
Max. output	kVA	40	48	54	64
Rated voltage	V	230/400	240/416	230/400	240/416
Rated current	A	53.4	62.5	72.2	83.3
Rated rotation speed	rpm	1500	1800	1500	1800
Phase No.		Three phase "Y" type connection		Three phase "Y" type connection	
Power factor		0.8 (lag)		0.8(lag)	
Insulation grade		H		H	
Pole number		4		4	
Excitation mode		Brushless self-excitation(AVR)			
Panel type		Digital Panel		Digital Panel	
Output – Voltage	V	230/400	240/416	230/400	240/416
Output – Receptacle		Two single phase receptacles		Two single phase receptacles	
Output – Connection pole		With		With	
Output – DC12V output		Without		Without	
Overall dimension: L×W×H	mm	2250×950×1300		2250×950×1300	
Dry weight	kg	1270		1310	
Working assorting weight	kg	1390		1430	
Noise level(7m)	dB(A)	50Hz: 51 60Hz: 53		50Hz: 51 60Hz: 53	
Structure type		Ultra silent		Ultra silent	
Engine model		KD4105		KD4105Z	
Engine type		Four-cylinder, in-lined, four-stroke, direct injection		Four-cylinder, in-lined, four-stroke, direct injection,turbocharged	
Cylinder No.-bore×stroke	mm	4-105×125		4-105×125	
Displacement	ml	4330		4330	
Rated power	kW	40.2/1500	47.6/1800	49/1500	58/1800
Compression ratio		17.5:1		17.5:1	
Rated rotation speed	r/min	1500	1800	1500	1800
Combustion system		-		-	
Cooling system		Water cooled		Water cooled	
Lubrication system		Pressure splashed		Pressure splashed	
Starting system		Electric starter		Electric starter	
Fuel type		0#(summer)-10#(winter)-20#(chillness)diesel			
Lube oil brand		CD grade or SAE10W-30, 15W-40			
Capacity of cooling water	L	30		30	
Lube capacity	L	11		11	
Starting motor capacity	V-kW	24V 3.7kW		24V 3.7kW	
Charging generator capacity	V-A	28V 35A		28V 35A	
Battery capacity	V-Ah	24V 120Ah		24V 120Ah	
Fuel consumption	g/kW·h	⩽300		⩽290	
Fuel tank capacity	L	95		95	
Continuous running time	hr	8		6	

KIPOR

Model		KDE75SS3/KDE75SSP3		KDE100SS3/KDE100SSP3	
Rated frequency	Hz	50	60	50	60
Rated output	kVA	62	75	80	100
Max. output	kVA	66	80	85	105
Rated voltage	V	230/400	240/416	230/400	240/416
Rated current	A	89.5	104	115	138.8
Rated rotation speed	rpm	1500	1800	1500	1800
Phase No.		Three phase "Y" type connection		Three phase "Y" type connection	
Power factor		0.8(lag)		0.8(lag)	
Insulation grade		H		H	
Pole number		4		4	
Excitation mode		Brushless self-excitation (AVR)			
Panel type		Digital Panel		Digital Panel	
Output – Voltage	V	230/400	240/416	230/400	240/416
Output – Receptacle		Two single phase receptacles		Two single phase receptacles	
Output – Connection pole		With		With	
Output – DC12V output		Without		Without	
Overall dimension: L×W×H	mm	2700×1140×1500		2700×1150×1500	
Dry weight	kg	1650		1680	
Working assorting weight	kg	1790		1820	
Noise level(7m)	dB(A)	50Hz: 51 60Hz: 53		50Hz: 51 60Hz 53	
Structure type		Ultra silent		Ultra silent	
Engine model		KD6105		KD6105Z	
Engine type		Six-cylinder, in-lined, four-stroke, direct injection		Six-cylinder, in-lined, four-stroke, direct injection, turbocharged	
Cylinder No.-bore×stroke	mm	6-105×125		6-105×125	
Displacement	ml	6494		6494	
Rated power	kW	59/1500	70/1800	72/1500	85.5/1800
Compression ratio		17.5:1		17.5:1	
Rated rotation speed	r/min	1500	1800	1500	1800
Combustion system		-		-	
Cooling system		Water cooled		Water cooled	
Lubrication system		Pressure splashed		Pressure splashed	
Starting system		Electric starter		Electric starter	
Fuel type		0#(summer)-10#(winter)-20#(chillness)diesel			
Lube oil brand		CD grade or SAE10W-30, 15W-40			
Capacity of cooling water	L	45		45	
Lube capacity	L	18.5		18.5	
Starting motor capacity	V-kW	24V 4.5kW		24V 4.5kW	
Charging generator capacity	V-A	28V 35A		28V 35A	
Battery capacity	V-Ah	24V 160Ah		24V 160Ah	
Fuel consumption	g/kW·h	⩽290		⩽280	
Fuel tank capacity	L	110		110	
Continuous running time	hr	5.5		4.5	

//:Standard parts&Optional parts&Attached accessories...

	Model	KDE12STA KDE12STA3	KDE19STA KDE19STA3	KDE40ST3
Standard Parts	1 Air filter	●	●	●
	2 Fuel tank	●	●	●
	3 Muffler	●	●	●
	4 Fuel display gauge	●	●	●
	5 Voltmeter	●	●	●
	6 Current meter	●	●	●
	7 Frequency meter	●	●	●
	8 Timer	●	●	●
	9 Battery voltmeter	●	●	●
	10 AVR	●	●	●
	11 Engine oil alarm system	●	●	●
	12 Water temperature alarm system	●	●	●
	13 Electronic fuel feed pump	●	●	●
	14 Preheat unit	●	●	●
	15 Battery	●	●	●
	16 Quadricycle assembly	●	●	—
	17 Radiator(water tank)	●	●	●
	18 Overvoltage/Overfrequency protection	●	●	●
	19 Fuel filter	●	●	●
	20 Automatic refueling device&external fuel tank joint	—	-	-
	21 Emergency stop unit	●	●	●
	22 Over load protection	●	●	●
	23 Charging trouble display	●	●	●
	24 ATS port	●	●	●
	25 Electronic speed regular	●	●	●
Optional Parts	1 ATS	●	●	—
	2 Breaker (leakage protection)	●	●	●
	3 Output receptacle type	●	●	●
	4 Output voltage	●	●	●
	5 Battery	●	●	●
	6 Plug	●	●	●
	7 Quadricycle assembly	—	—	—
	8 Remote starter	●	●	●
	9			
	10			
	11			
	12			
Attached accessory	1 Generator set operation manual	one	one	one
	2 Engine operation manual	Optional	Optional	Optional
	3 Assembly& spare parts album(engine)	Optional	Optional	Optional
	4 Assembly& spare parts album(generator set)	Optional	Optional	Optional
	5 Alternator specification	—	—	one
	6 Operation manual of digital panel	one	one	one
	7 Certificate of quality	one sheet	one sheet	one sheet
	8 Fuse link	four pcs	four pcs	four pcs
	9 Fuse pipe	two pcs	two pcs	two pcs
	10 Generator set service manual	Optional	Optional	Optional
	11 Tool kit	one kit	one kit	one kit
	12 Oil pot	one pc	one pc	one pc
	13 Rain-proof cap	one pc	one pc	—
	14 Wrench for nozzle	—	one pc	—
	15			

Note: In the section of "standard parts" ● means standard part, — means non standard;
In the section of "Optional parts" ● means optional part, — means non optional.

//:Standard parts&Optional parts&Attached accessories...

		Model	KDE11SS	KDE13SS3	KDE16SS	KDE20SS3	KDE25SS
Standard Parts	1	Air filter	●	●	●	●	●
	2	Fuel tank	●	●	●	●	●
	3	Muffler	●	●	●	●	●
	4	Fuel display gauge	●	●	●	●	●
	5	Voltmeter	●	●	●	●	●
	6	Current meter	●	●	●	●	●
	7	Frequency meter	●	●	●	●	●
	8	Timer	●	●	●	●	●
	9	Battery voltmeter	●	●	●	●	●
	10	AVR	●	●	●	●	●
	11	Engine oil alarm system	●	●	●	●	●
	12	Water temperature alarm system	●	●	●	●	●
	13	Electronic fuel feed pump	●	●	●	●	●
	14	Preheat unit	●	●	●	●	●
	15	Battery	●	●	●	●	●
	16	Quadricycle assembly	—	—	—	—	—
	17	Radiator(water tank)	●	●	●	●	●
	18	Overvoltage/Overfrequency protection	●	●	●	●	●
	19	Fuel filter	●	●	●	●	●
	20	Automatic refueling device&external fuel tank joint	●	●	●	—/●	—
	21	Emergency stop unit	●	●	●	●	●
	22	Over load protection	●	●	●	●	●
	23	Charging trouble display	●	●	●	●	●
	24	ATS port	●	●	●	●	●
	25	Electronic speed regular	●	●	●	●	●
Optional Parts	1	ATS	●	●	●	●	●
	2	Breaker (leakage protection)	—	—	—	—	—
	3	Output receptacle type	●	●	●	●	●
	4	Output voltage	●	●	●	●	●
	5	Battery	●	●	●	●	●
	6	Plug	●	●	●	●	●
	7	Remote starter	●	●	●	●	●
	8						
	9						
	10						
	11						
	12						
Attached accessory	1	Generator set operation manual	one	one	one	one	Optional/one
	2	Engine operation manual	Optional	Optional	Optional	Optional	Optional
	3	Assembly& spare parts album(engine)	Optional	Optional	Optional	Optional	Optional
	4	Assembly& spare parts album(generator set)	Optional	Optional	Optional	Optional	one kit
	5	Alternator specification	—	—	—	—	one kit
	6	Operation manual of digital panel	one	one	one	one	one
	7	Certificate of quality	one sheet	one sheet	one sheet	one sheet	one sheet
	8	Spark plug socket wrench	—	—	—	—	—
	9	Fuse link	four pcs	four pcs	four pcs	four pcs	four pcs
	10	Fuse pipe	two pcs	two pcs	two pcs	two pcs	two pcs
	11	Generator set service manual	—	—	—	—	—
	12	Tool kit	one kit	one kit	one kit	one kit	one kit
	13	Oil pot	—	—	—	—	one pc
	14	Rain-proof cap	—	—	—	—	—
	15	Wrench for nozzle	—	—	—	—	—

		Model	KDE30SS/KDE30SSP KDE30SS3/KDE30SSP3	KDE35SS/KDE35SSP KDE35SS3/KDE35SSP3	KDE45SS3 KDE45SSP3	KDE60SS3 KDE60SSP3	KDE75SS3 KDE75SSP3	KDE100SS3 KDE100SSP3
Standard Parts	1	Air filter	●	●	●	●	●	●
	2	Fuel tank	●	●	●	●	●	●
	3	Muffler	●	●	●	●	●	●
	4	Fuel display gauge	●	●	●	●	●	●
	5	Voltmeter	●	●	●	●	●	●
	6	Current meter	●	●	●	●	●	●
	7	Frequency meter	●	●	●	●	●	●
	8	Timer	●	●	●	●	●	●
	9	Battery voltmeter	●	●	●	●	●	●
	10	AVR	●	●	●	●	●	●
	11	Engine oil alarm system	●	●	●	●	●	●
	12	Water temperature alarm system	●	●	●	●	●	●
	13	Electronic fuel feed pump	●	●	●	●	●	●
	14	Preheat unit	●	●	●	●	●	●
	15	Battery	●	●	●	●	●	●
	16	Quadricycle assembly	—	—	—	—	—	—
	17	Radiator(water tank)	●	●	●	●	●	●
	18	Overvoltage/Overfrequency protection	●	●	●	●	●	●
	19	Fuel filter	●	●	●	●	●	●
	20	Automatic refueling device&external fuel tank joint	—	—	—	—	—	—
	21	Emergency stop unit	●	●	●	●	●	●
	22	Over load protection	●	●	●	●	●	●
	23	Charging trouble display	●	●	●	●	●	●
	24	ATS port	●	●	●	●	●	●
	25	Electronic speed regular	●	●	●	●	●	●
Optional Parts	1	ATS	●	●	●	●	●	●
	2	Breaker (leakage protection)	—	—	—	—	—	—
	3	Output receptacle type	●	●	●	●	●	●
	4	Output voltage	●	●	●	●	●	●
	5	Battery	●	●	●	●	●	●
	6	Plug	●	●	●	●	●	●
	7	Remote starter	●	●	●	●	●	●
	8							
	9							
	10							
	11							
	12							
Attached accessory	1	Generator set operation manual	one	one	one	one	one	one
	2	Engine operation manual	Optional	Optional	Optional	Optional	Optional	Optional
	3	Assembly& spare parts album(engine)	Optional	Optional	Optional	Optional	Optional	Optional
	4	Assembly& spare parts album(generator set)	Optional	Optional	Optional	Optional	Optional	Optional
	5	Alternator specification	one kit	one kit	one kit	one kit	one kit	one kit
	6	Operation manual of digital panel	one	one	one	one	one	one
	7	Certificate of quality	one sheet	one sheet	one sheet	one sheet	one sheet	one sheet
	8	Spark plug socket wrench	—	—	—	—	—	—
	9	Fuse link	four pcs	four pcs	four pcs	four pcs	four pcs	four pcs
	10	Fuse pipe	two pcs	two pcs	two pcs	two pcs	two pcs	two pcs
	11	Generator set service manual	—	Optional	—	—	—	—
	12	Tool kit	one kit	one kit	one kit	one kit	one kit	one kit
	13	Oil pot	one pc	one pc	one pc	one pc	one pc	one pc
	14	Rain-proof cap	—	—	—	—	—	—
	15	Wrench for nozzle	—	—	—	—	—	—

Note: In the section of "standard parts" ● means standard part, — means non standard; In the section of "Optional parts" ● means optional part, — means non optional.